## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims**

1. (currently amended) A compound of the Formula A:

wherein:

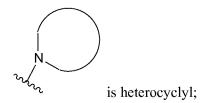
$$(R^1)_n$$

## is selected from:

a is 0 or 1; b is 0 or 1; m is 0, 1 or 2; n is 0, 1, 2 or 3; p is 0, 1 or 2; q is 0, 1, 2 or 3; r is 0 or 1; s is 0 or 1; t is 2, 3, 4, 5 or 6;

X, Y and Z are independently selected from: C, N, S or O provided that at least one of X, Y or Z is N, S or O;

dashed line represents an optional double bond;



Q is selected from: -NR<sup>6</sup>R<sup>7</sup>, aryl and heterocyclyl, said aryl and heterocyclyl is optionally substituted with one to three R<sup>z</sup>;

R¹ is independently selected from: 1) (C=O) $_a$ O $_b$ C1-C1 $_0$  alkyl, 2) (C=O) $_a$ O $_b$ aryl, 3) C2-C1 $_0$  alkenyl, 4) C2-C1 $_0$  alkynyl, 5) (C=O) $_a$ O $_b$  heterocyclyl, 6) (C=O) $_a$ O $_b$ C3-C8 cycloalkyl, 7) CO2H, 8) halo, 9) CN, 10) OH, 11) O $_b$ C1-C6 perfluoroalkyl, 12) O $_a$ (C=O) $_b$ NR $_0$ R7, 13) NRc(C=O)NR $_0$ R7, 14) S(O) $_m$ Ra, 15) S(O) $_2$ NR $_0$ R7, 16) NRcS(O) $_m$ Ra, 17) oxo, 18) CHO, 19) NO2, 20) NRc(C=O)O $_b$ Ra, 21) O(C=O)O $_b$ C1-C1 $_0$  alkyl, 22) O(C=O)O $_b$ C3-C8 cycloalkyl, 23) O(C=O)O $_b$ aryl, 24) O(C=O)O $_b$ -heterocycle, 25) H, and 26) O $_a$ -P=O(OH) $_2$ , said alkyl, aryl, alkenyl, alkynyl, heterocyclyl, and cycloalkyl optionally substituted with one or more substituents selected from Rz;

 $R^2$  is independently selected from: 1) (C=O)aObC1-C10 alkyl, 2) (C=O)aObaryl, 3) C2-C10 alkenyl, 4) C2-C10 alkynyl, 5) (C=O)aOb heterocyclyl, 6) (C=O)aObC3-C8 cycloalkyl, 7) CO2H, 8) halo, 9) CN, 10) OH, 11) ObC1-C6 perfluoroalkyl, 12) Oa(C=O)bNR6R7, 13) NRc(C=O)NR6R7, 14) S(O)mRa, 15) S(O)2NR6R7, 16) NRcS(O)mRa, 17) CHO, 18) NO2, 19) NRc(C=O)ObRa, 20) O(C=O)ObC1-C10 alkyl, 21) O(C=O)ObC3-C8 cycloalkyl, 22) O(C=O)Obaryl, 23) O(C=O)Ob-heterocycle, and 24) Oa-P=O(OH)2, said alkyl, aryl, alkenyl, alkynyl, heterocyclyl, and cycloalkyl optionally substituted with one, two or three substituents selected from Rz;

R<sup>3</sup> and R<sup>4</sup> are independently selected from: H, C<sub>1</sub>-C<sub>6</sub>-alkyl and C<sub>1</sub>-C<sub>6</sub>-perfluoroalkyl, or

 $R^3$  and  $R^4$  are combined to form -(CH<sub>2</sub>)<sub>t</sub>- wherein one of the carbon atoms is optionally replaced by a moiety selected from O, S(O)<sub>m</sub>, -N(R<sup>b</sup>)C(O)-, and -N(COR<sup>a</sup>)-;

R<sup>5</sup> is independently selected from: 1) (C=O)<sub>a</sub>O<sub>b</sub>C<sub>1</sub>-C<sub>10</sub> alkyl, 2) (C=O)<sub>a</sub>O<sub>b</sub>aryl, 3) C<sub>2</sub>-C<sub>10</sub> alkenyl, 4) C<sub>2</sub>-C<sub>10</sub> alkynyl, 5) (C=O)<sub>a</sub>O<sub>b</sub> heterocyclyl, 6) (C=O)<sub>a</sub>O<sub>b</sub>C<sub>3</sub>-C<sub>8</sub> cycloalkyl, 7) CO<sub>2</sub>H, 8) halo, 9) CN, 10) OH, 11) O<sub>b</sub>C<sub>1</sub>-C<sub>6</sub> perfluoroalkyl, 12) O<sub>a</sub>(C=O)<sub>b</sub>NR<sup>6</sup>R<sup>7</sup>, 13) NRc(C=O)NR<sup>6</sup>R<sup>7</sup>, 14) S(O)<sub>m</sub>R<sup>a</sup>, 15)

 $S(O)_2NR^6R^7, \ 16) \ NR^cS(O)_mR^a, \ 17) \ oxo, \ 18) \ CHO, \ 19) \ NO_2, \ 20) \ O(C=O)O_bC_1-C_{10} \ alkyl, \ 21)$   $O(C=O)O_bC_3-C_8 \ cycloalkyl, \ and \ 22) \ O_a-P=O(OH)_2, \ said \ alkyl, \ aryl, \ alkenyl, \ alkynyl, \ heterocyclyl, \ and \ cycloalkyl \ optionally \ substituted \ with \ one \ or \ more \ substituents \ selected \ from \ R^z;$ 

R<sup>6</sup> and R<sup>7</sup> are independently selected from: 1) H, 2) (C=O)O<sub>b</sub>R<sup>a</sup>, 3) C<sub>1</sub>-C<sub>10</sub> alkyl, 4) aryl, 5) C<sub>2</sub>-C<sub>10</sub> alkenyl, 6) C<sub>2</sub>-C<sub>10</sub> alkynyl, 7) heterocyclyl, 8) C<sub>3</sub>-C<sub>8</sub> cycloalkyl, 9) SO<sub>2</sub>R<sup>a</sup>, 10) (C=O)NR<sup>b</sup><sub>2</sub>, 11) OH, and 12) O<sub>a</sub>-P=O(OH)<sub>2</sub>, said alkyl, cycloalkyl, aryl, heterocylyl, alkenyl, and alkynyl is optionally substituted with one or more substituents selected from R<sup>z</sup>, or

R<sup>6</sup> and R<sup>7</sup> can be taken together with the nitrogen to which they are attached to form a monocyclic or bicyclic heterocycle with 4-7 members in each ring and optionally containing, in addition to the nitrogen, one or more additional heteroatoms selected from N, O and S, said monocyclic or bicyclic heterocycle optionally substituted with one or more substituents selected from R<sup>z</sup>;

Rz is selected from: 1) (C=O)<sub>r</sub>O<sub>S</sub>(C1-C10)alkyl, 2) O<sub>r</sub>(C1-C3)perfluoroalkyl, 3) (C0-C6)alkylene-S(O)<sub>m</sub>Ra, 4) oxo, 5) OH, 6) halo, 7) CN, 8) (C=O)<sub>r</sub>O<sub>S</sub>(C2-C10)alkenyl, 9) (C=O)<sub>r</sub>O<sub>S</sub>(C2-C10)alkynyl, 10) (C=O)<sub>r</sub>O<sub>S</sub>(C3-C6)cycloalkyl, 11) (C=O)<sub>r</sub>O<sub>S</sub>(C0-C6)alkylene-aryl, 12) (C=O)<sub>r</sub>O<sub>S</sub>(C0-C6)alkylene-heterocyclyl, 13) (C=O)<sub>r</sub>O<sub>S</sub>(C0-C6)alkylene-N(Rb)2, 14) C(O)Ra, 15) (C0-C6)alkylene-CO2Ra, 16) C(O)H, 17) (C0-C6)alkylene-CO2H, 18) C(O)N(Rb)2, 19) S(O)<sub>m</sub>Ra, 20) S(O)<sub>2</sub>N(Rb)2, 21) NRc(C=O)O<sub>b</sub>Ra, 22) O(C=O)O<sub>b</sub>C1-C10 alkyl, 23) O(C=O)O<sub>b</sub>C3-C8 cycloalkyl, 24) O(C=O)O<sub>b</sub>aryl, 25) O(C=O)O<sub>b</sub>-heterocycle, and 26) O<sub>a</sub>-P=O(OH)2, said alkyl, alkenyl, alkynyl, cycloalkyl, aryl, and heterocyclyl is optionally substituted with up to three substituents selected from Rb, OH, (C1-C6)alkoxy, halogen, CO2H, CN, O(C=O)C1-C6 alkyl, oxo, N(Rb)2 and O<sub>a</sub>-P=O(OH)2;

 $R^a$  is: substituted or unsubstituted (C1-C6)alkyl, substituted or unsubstituted (C2-C6)alkenyl, substituted or unsubstituted (C2-C6)alkynyl, substituted or unsubstituted (C3-C6)cycloalkyl, substituted or unsubstituted aryl, (C1-C6)perfluoroalkyl, 2,2,2-trifluoroethyl, or substituted or unsubstituted heterocyclyl; and

Rb is: H, (C1-C6)alkyl, substituted or unsubstituted aryl, substituted or unsubstituted benzyl, substituted or unsubstituted heterocyclyl, (C3-C6)cycloalkyl, (C=O)OC1-C6 alkyl, (C=O)C1-C6 alkyl or S(O)<sub>2</sub>R<sup>a</sup>;

R<sup>c</sup> is selected from: 1) H, 2) C<sub>1</sub>-C<sub>10</sub> alkyl, 3) aryl, 4) C<sub>2</sub>-C<sub>10</sub> alkenyl, 5) C<sub>2</sub>-C<sub>10</sub> alkynyl, 6) heterocyclyl, 7) C<sub>3</sub>-C<sub>8</sub> cycloalkyl, and 8) C<sub>1</sub>-C<sub>6</sub> perfluoroalkyl, said alkyl, cycloalkyl, aryl, heterocylyl, alkenyl, and alkynyl is optionally substituted with one or more substituents selected from R<sup>z</sup>, or

or a pharmaceutically acceptable salt or a stereoisomer thereof.

2. (original) The compound according to Claim 1 of the Formula B:

$$(R^1)_n$$
 $Z$ 
 $(R^5)_q$ 
 $(R^5)_q$ 

wherein:

 $R^2$  is independently selected from: 1)  $C_1$ - $C_6$  alkyl, 2) aryl, 3) heterocyclyl, 4)  $CO_2H$ , 5) halo, 6) CN, 7) OH, 8)  $S(O)_2NR^6R^7$ , and 9)  $O_a$ -P= $O(OH)_2$ , said alkyl, aryl and heterocyclyl optionally substituted with one, two or three substituents selected from  $R^z$ ;

or a pharmaceutically acceptable salt or a stereoisomer thereof.

3. (original) The compound according to Claim 2 of the Formula C:

$$(R^1)_n$$
 $Z$ 
 $C$ 
 $N$ 
 $Q$ 

wherein:

Q is heterocyclyl, said heterocyclyl is optionally substituted with 1 to 3 Rz;

or a pharmaceutically acceptable salt or a stereoisomer thereof.

4. (original) A compound which is selected from:

1-{1-[4-(3-amino-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl)benzyl]piperidin-4-yl}-1,3-dihydro-2H-benzimidazol-2-one;

1-{1-[4-(3-amino-1-methyl-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl)benzyl]piperidin-4-yl}-1,3-dihydro-2H-benzimidazol-2-one;

- $1-(1-\{4-[3-amino-1-(2-morpholin-4-ylethyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl]benzyl\} piperidin-6-yllowed by the property of the proper$
- 4-yl)-1,3-dihydro-2H-benzimidazol-2-one;
- $1-(1-\{4-[3-amino-1-(2-hydroxyethyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl]benzyl\} piperidin-4-yl)-1-(1-\{4-[3-amino-1-(2-hydroxyethyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl]benzyl\} piperidin-4-yl)-1-(1-\{4-[3-amino-1-(2-hydroxyethyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl]benzyl\} piperidin-4-yl)-1-(1-\{4-[3-amino-1-(2-hydroxyethyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl]benzyl\} piperidin-4-yl)-1-(1-\{4-[3-amino-1-(2-hydroxyethyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl]benzyl] piperidin-4-yl)-1-(1-\{4-[3-amino-1-(2-hydroxyethyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl]benzyl] piperidin-4-yl)-1-(1-\{4-[3-amino-1-(2-hydroxyethyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl]benzyl] piperidin-4-yl)-1-(1-\{4-[3-amino-1-(2-hydroxyethyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl]benzyl] piperidin-4-yl)-1-(1-\{4-[3-amino-1-(2-hydroxyethyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl]benzyl] piperidin-4-yl)-1-(1-4-[3-amino-1-(2-hydroxyethyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl] piperidin-4-yl)-1-(1-4-[3-amino-1-(2-hydroxyethyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl] piperidin-4-yl)-1-(1-4-[3-amino-1-(2-hydroxyethyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl] piperidin-4-yl)-1-(1-4-[3-amino-1-(2-hydroxyethyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl] piperidin-4-yl)-1-(1-4-[3-amino-1-(2-hydroxyethyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl] piperidin-4-yl]-1-(1-4-[3-amino-1-(2-hydroxyethyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl] piperidin-6-yl]-1-(1-4-[3-amino-1-(3-hydroxyethyl)-6-yl]-1-(1-4-[3-amino-1-(3-hydroxyethyl)-6-yl]-1-(1-4-[3-amino-1-(3-hydroxyethyl)-6-yl]-1-(1-4-[3-amino-1-(3-hydroxyethyl)-6-yl]-1-(1-4-[3-amino-1-(3-hydroxyethyl)-6-yl]-1-(1-4-[3-amino-1-(3-hydroxyethyl)-6-yl]-1-(1-4-[3-amino-1-(3-hydroxyethyl)-6-yl]-1-(1-4-[3-amino-1-(3-hydroxyethyl)-6-yl]-1-(1-4-[3-amino-1-(3-hydroxyethyl)-6-yl]-1-(1-4-[3-amino-1-(3-hydroxyethyl)-6-yl]-1-(1-4-[3-amino-1-(3-hydroxyethyl)-6-yl]-1-(1-4-[3-amino-1-(3-hydroxyethyl)-6-yl]-1-(1-4-[3-amino-1-(3-hydroxyethyl)-6-yl]-1-(1-4-[3-amino-1-(3-hydroxyethyl)-6-yl]-1-(1-4-[3-amino-1-$
- 1,3-dihydro-2H-benzimidazol-2-one;
- 1-[1-(4-{3-amino-1-[2-(1H-imidazol-4-yl)ethyl]-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-
- yl}benzyl)piperidin-4-yl]-1,3-dihydro-2H-benzimidazol-2-one;
- 1-methyl-6-(4-{[4-(2-methyl-1H-benzimidazol-1-yl)piperidin-1-yl]methyl}phenyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-3-amine;
- 9-{1-[4-(3-amino-1-methyl-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl)benzyl]piperidin-4-yl}-9H-purin-6-amine;
- 1-methyl-6-(4-{[4-(2-methyl-1H-benzimidazol-1-yl)piperidin-1-yl]methyl}phenyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-3-ol;
- $N-ethyl-N'-[1-methyl-6-(4-\{[4-(2-oxo-2,3-dihydro-1H-benzimidazol-1-yl)piperidin-1-yl]methyl\}\ phenyl-5-phenyl-1H-pyrazolo[3,4-b]pyridin-3-yl]urea;$
- N-[1-methyl-6-(4-{[4-(2-oxo-2,3-dihydro-1H-benzimidazol-1-yl)piperidin-1-yl]methyl}phenyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-3-yl]acetamide;
- Methyl-3-amino-6-(4-{[4-(6-fluoro-1H-benzimidazol-2-yl)piperidin-1-yl]methyl}phenyl)-5-phenylfuro[2,3-b]pyridine-2-carboxylate;
- 5-(4-{[4-(2-methyl-1H-benzimidazol-1-yl)piperidin-1-yl]methyl}phenyl)-6-phenyl-1,3-dihydro-2H-imidazo[4,5-b]pyridin-2-one;
- $5-(4-\{[4-(2-methyl-1H-benzimidazol-1-yl]piperidin-1-yl]methyl\}phenyl)-6-phenyl-1H-benzimidazol-1-ylphenyl-1-ylphenyl$
- [1,2,3]triazolo[4,5-b]pyridine; and
- 5-(4-{[4-(2-Methyl-1H-benzimidazol-1-yl)piperidin-1-yl]methyl}phenyl)-6-phenyl-1H-imidazo[4,5-b]pyridine;

or a pharmaceutically acceptable salt or a stereoisomer thereof.

- 5. (original) The TFA salt of a compound according to Claim 1 which is:
- 1-{1-[4-(3-amino-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl)benzyl]piperidin-4-yl}-1,3-dihydro-2H-benzimidazol-2-one;
- 1-{1-[4-(3-amino-1-methyl-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl)benzyl]piperidin-4-yl}-1,3-dihydro-2H-benzimidazol-2-one;
- 1-(1-{4-[3-amino-1-(2-morpholin-4-ylethyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl]benzyl}piperidin-4-yl)-1,3-dihydro-2H-benzimidazol-2-one;

1-(1-{4-[3-amino-1-(2-hydroxyethyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl]benzyl}piperidin-4-yl)-1,3-dihydro-2H-benzimidazol-2-one;

1-[1-(4-{3-amino-1-[2-(1H-imidazol-4-yl)ethyl]-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-

yl}benzyl)piperidin-4-yl]-1,3-dihydro-2H-benzimidazol-2-one;

1-methyl-6-(4-{[4-(2-methyl-1H-benzimidazol-1-yl)piperidin-1-yl]methyl}phenyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-3-amine;

9-{1-[4-(3-amino-1-methyl-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl)benzyl]piperidin-4-yl}-9H-purin-6-amine;

1-methyl-6-(4-{[4-(2-methyl-1H-benzimidazol-1-yl)piperidin-1-yl]methyl}phenyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-3-ol;

N-ethyl-N'-[1-methyl-6-(4-{[4-(2-oxo-2,3-dihydro-1H-benzimidazol-1-yl)piperidin-1-yl]methyl}phenyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-3-yl]urea;

 $N-[1-methyl-6-(4-\{[4-(2-oxo-2,3-dihydro-1H-benzimidazol-1-yl]piperidin-1-yl]methyl\}\ phenyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-3-yl]acetamide;\ and$ 

Methyl-3-amino-6-(4-{[4-(6-fluoro-1H-benzimidazol-2-yl)piperidin-1-yl]methyl}phenyl)-5-phenylfuro[2,3-b]pyridine-2-carboxylate;

or a stereoisomer thereof.

6. (original) A compound according to Claim 4 which is selected from:

1-{1-[4-(3-amino-5-phenyl-1H-pyrazolo[3,4-b]pyridin-6-yl)benzyl]piperidin-4-yl}-1,3-dihydro-2H-benzimidazol-2-one;

 $N-ethyl-N'-[1-methyl-6-(4-\{[4-(2-oxo-2,3-dihydro-1H-benzimidazol-1-yl)piperidin-1-yl]methyl\} phenyl)-5-phenyl-1H-pyrazolo[3,4-b]pyridin-3-yl]urea;$ 

Methyl-3-amino-6-(4-{[4-(6-fluoro-1H-benzimidazol-2-yl)piperidin-1-yl]methyl}phenyl)-5-phenylfuro[2,3-b]pyridine-2-carboxylate;

5-(4-{[4-(2-methyl-1H-benzimidazol-1-yl)piperidin-1-yl]methyl}phenyl)-6-phenyl-1,3-dihydro-2H-imidazo[4,5-b]pyridin-2-one;

 $5-(4-\{[4-(2-methyl-1H-benzimidazol-1-yl]piperidin-1-yl]methyl\}phenyl)-6-phenyl-1H-benzimidazol-1-ylpiperidin-1-y$ 

[1,2,3]triazolo[4,5-b]pyridine; and

5-(4-{[4-(2-Methyl-1H-benzimidazol-1-yl)piperidin-1-yl]methyl}phenyl)-6-phenyl-1H-imidazo[4,5-b]pyridine;

or a pharmaceutically acceptable salt or a stereoisomer thereof.

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- 7. (original) A pharmaceutical composition comprising a pharmaceutical carrier, and dispersed therein, a therapeutically effective amount of a compound of Claim 1.
- 8. (original) A pharmaceutical composition comprising a pharmaceutical carrier, and dispersed therein, a therapeutically effective amount of a compound of Claim 4.

9-18. (Canceled)